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12 and L11

Term:

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L12</u>	12 and L11	1	<u>L12</u>
<u>L11</u>	management station	3133	<u>L11</u>
<u>L10</u>	18 and L9	21	<u>L10</u>
<u>L9</u>	379/\$.ccls.	109362	<u>L9</u>
<u>L8</u>	16 and L7	264	<u>L8</u>
<u>L7</u>	gateway or router	200951	<u>L7</u>
<u>L6</u>	14 and L5	309	<u>L6</u>
<u>L5</u>	connection or conectivity	4466833	<u>L5</u>
<u>L4</u>	ping\$3 same internet same test\$3	329	<u>L4</u>
<u>L3</u>	internet and 12	4	<u>L3</u>
<u>L2</u>	(connection or connectivity) same pinging same (test device or tester)	4	<u>L2</u>
<u>L1</u>	(tester or test device) same perform\$4 same (connection or connectivity)	2883	<u>L1</u>

END OF SEARCH HISTORY

"INTERFERENCE"

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Term:	(verifying same connection same subscriber station same gateway) and (connectivity test same pinging same tester same host same
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(verifying same connection same subscriber station same gateway) and
L1 (connectivity test same pinging same tester same host same internet) and
 (remote instructions same verification host same report)

END OF SEARCH HISTORY

1. 2005/0135392
 Cont. - in - part of present
 Application.
 2. 2005/0068972
 present Application.

BUT.
 —



US 20050068972A1

(19) **United States**

(12) **Patent Application Publication**
Burns et al.

(10) Pub. No.: **US 2005/0068972 A1**

(43) Pub. Date: **Mar. 31, 2005**

(54) **METHOD AND SYSTEM FOR CONNECTION VERIFICATION**

(52) U.S. Cl. 370/412

(76) Inventors: **Dave J. Burns, Ottawa (CA); Norman Robertson, Kanata (CA)**

(57) **ABSTRACT**

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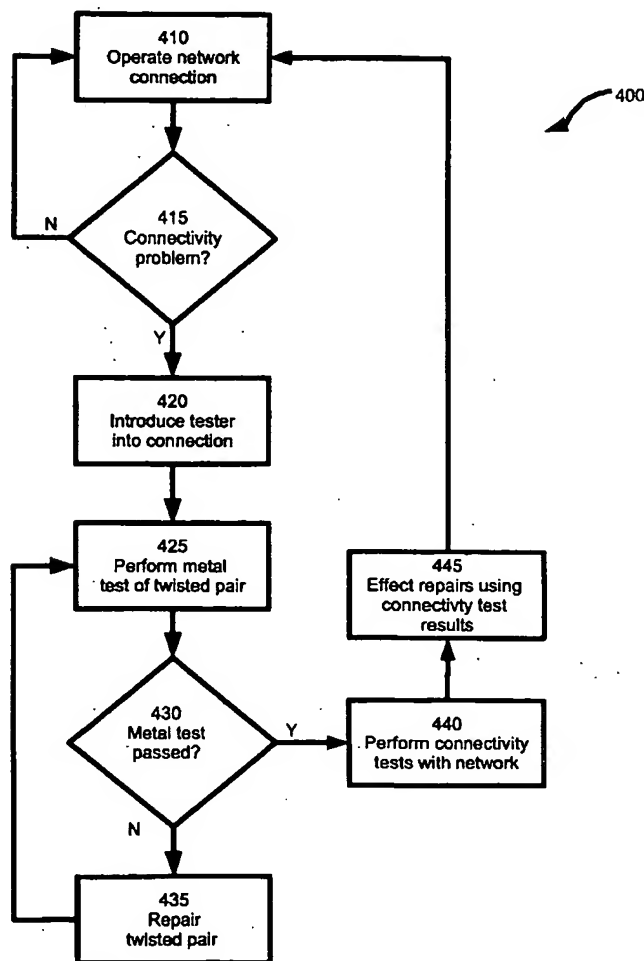
The present invention provides a method and system for connection verification. An embodiment includes a DSL based system, with a tester resident at a central office respective to a DSLAM. When a problem is encountered by a subscriber, the tester can be readily connected to the DSLAM to allow performance of tests on the connection between the tester, the DSLAM and the Internet. If such tests are successful, then service provider can eliminate that portion of the link as the source of the connectivity problem. If unsuccessful, the service provider can repair that portion of the connection, and thereby potentially obviate the need to send a technician to the subscriber premises.

(21) Appl. No.: **10/670,261**

(22) Filed: **Sep. 26, 2003**

Publication Classification

(51) Int. Cl.⁷ **H04L 12/28; H04L 12/56**





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(10) Pub. No.: **US 2005/0135392 A1**

(43) Pub. Date: **Jun. 23, 2005**

(54) **METHOD AND SYSTEM FOR CONNECTION VERIFICATION**

Publication Classification

(75) Inventors: **David J. Burns, Ottawa (CA); Norman J. Robertson, Kanata (CA); Frank Tony Gorenc, Burlington (CA); Manuel Lopes Branco, Mississauga (CA)**

(51) Int. Cl.⁷ **H04L 12/28**

(52) U.S. Cl. **370/401**

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ABSTRACT

The present invention provides a method and system for connection verification. An embodiment includes a DSL based system, with a tester resident at a central office respective to a DSLAM. When a problem is encountered by a subscriber, the tester can be readily connected to the DSLAM to allow performance of tests on the connection between the tester, the DSLAM and the Internet. If such tests are successful, then service provider can eliminate that portion of the link as the source of the connectivity problem. If unsuccessful, the service provider can repair that portion of the connection, and thereby potentially obviate the need to send a technician to the subscriber premises.

(73) Assignee: **BCE Inc., Montreal (CA)**

(21) Appl. No.: **11/002,078**

(22) Filed: **Dec. 3, 2004**

Related U.S. Application Data

(63) Continuation of application No. PCT/CA04/01740, filed on Sep. 24, 2004, which is a continuation-in-part of application No. 10/670,261, filed on Sep. 26, 2003.

